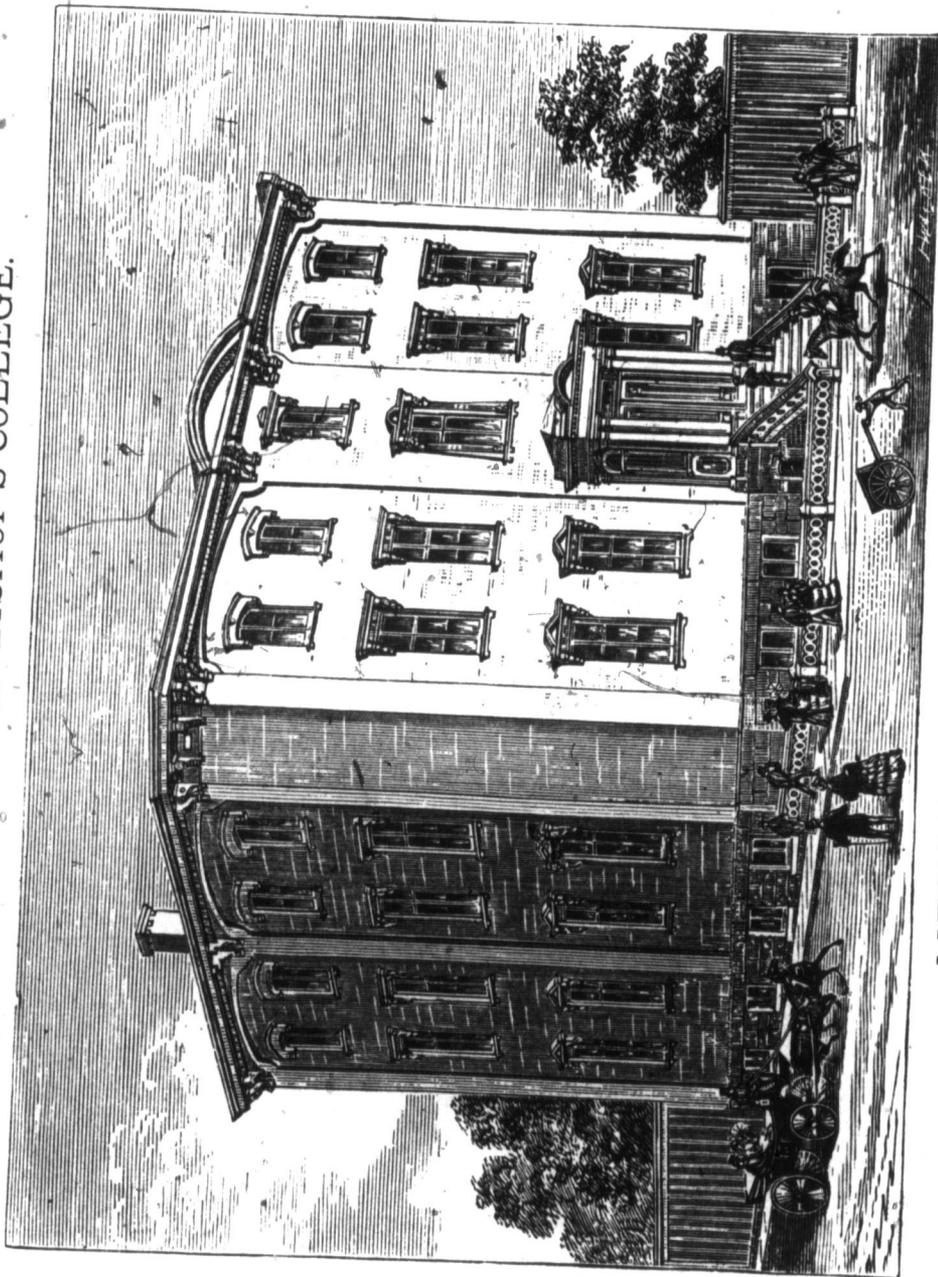


UNIVERSITY OF BISHOP'S COLLEGE.



MEDICAL DEPARTMENT.

(ONTARIO STREET, MONTREAL.)

UNIVERSITY  
OF  
BISHOP'S COLLEGE.

6

FOURTH ANNUAL ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE,  
**MONTREAL.**

SESSION 1874-75.



*Montreal :*

PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.

1874.

All communications relating to the Medical Department of this University should be directed either to the Dean of the Medical Faculty, DR. DAVID, 42 Beaver Hall Terrace, or to the Registrar, DR. F. W. CAMPBELL, 10 Phillips Place, Beaver Hall.

Students, on-arriving in this city, should call upon either of the above gentlemen, when they will receive all necessary information.

CORPORATION  
OF THE  
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## Faculty of Medicine.

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- A. H. DAVID, M.D., Edin., L.R.C.S.E., D.C.L., Dean, PROFESSOR OF THEORY AND PRACTICE OF MEDICINE, 42 *Beaver Hall Terrace.*
- R. T. GODFREY, M.A., M.D., C.M., PROFESSOR OF THE PRINCIPLES AND PRACTICE OF SURGERY, 960 *St. Catherine Street.*
- J. E. LEPROHON, M.A., M.D., C.M., PROFESSOR OF HYGIENE, 237 *St. Antoine Street.*
- F. W. CAMPBELL, M.A., M.D., L.R.C.P. Lond., PROFESSOR OF PHYSIOLOGY, 10 *Phillips Place, Beaver Hall.*
- E. H. TRENHOLME, M.A., M.D., C.M., B.C.L., PROFESSOR OF MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN, 32 *St. Radegonde Street, Victoria Square.*
- J. B. EDWARDS, Ph.D., D.C.L., PROFESSOR OF PRACTICAL CHEMISTRY AND MICROSCOPY, 630 *Lagauchetière Street.*
- R. A. KENNEDY, M.A., M.D., C.M., PROFESSOR OF ANATOMY, 44 *Bleury Street.*
- W. GARDNER, A.M., M.D., C.M., PROFESSOR OF MEDICAL JURISPRUDENCE, 525 *St. Joseph Street.*
- G. WILKINS, M.D., M.R.C.S. Eng., PROFESSOR OF PATHOLOGY, 165 *St. Antoine Street.*
- S. E. TABB, M.A., M.D., C.M., PROFESSOR OF BOTANY AND ZOOLOGY, 18 *St. Radegonde Street.*
- A. H. KOLLMYER, M.A., M.D., PROFESSOR OF MATERIA MEDICA AND THERAPEUTICS, 80 *St. Urbain Street.*
- G. B. SHAW, C.M., M.D., PROFESSOR OF CHEMISTRY, 51 *St. Radegonde Street.*

- 
- J. FERRIGO, M.A., M.D., C.M., M.R.C.S. Eng., DEMONSTRATOR OF ANATOMY, 591 *St. Catherine Street.*
- ANDRÉ LATOUR, C.M., M.D., ASSISTANT DEMONSTRATOR OF ANATOMY.
- WOLFRÉD NELSON, C.M., M.D., CURATOR OF MUSEUM, 1 *St. James Place, 199 Canning Street.*

THE  
**Faculty of Medicine**

OF THE  
**UNIVERSITY OF BISHOP'S COLLEGE**

Will open their fourth session, in Montreal, on Thursday the first day of October, with an introductory lecture by Prof. Kennedy.

With the exception of a short vacation at Christmas, the session will continue till the end of March.

The success of the Medical Faculty of this University has been from the first much greater than we or our most sanguine friends anticipated. During the past session this success has been materially and officially acknowledged, by this college being placed on the list of Medical Colleges recognized by Government and receiving aid from it, also by our diplomas being recognized in Great Britain.

The building for the use of the Faculty is situated on the corner of Ontario and St. George street. It contains two large lecture rooms, with comfortable seats for the accommodation of students: a Museum, Library and Laboratory, which last is fitted up with every modern convenience for practical chemistry and the study of microscopy. The dissecting room, which the Faculty has taken particular pains to render as complete as possible, is large, airy, well lighted and ventilated, affording students every opportunity for prosecuting their work with comfort and health.

## HOSPITAL PRACTICE.

✓ Montreal is particularly rich in the facilities which it affords for hospital practice: the large number of factories and the enormous shipping furnishing a constant and varied supply of surgical cases.

The *Montreal General Hospital* (150 beds) is situated within a few minutes walk of the college, and is visited daily at noon. It affords equal advantages to students of all medical colleges for obtaining a practical knowledge of every department of medicine and surgery. Within the hospital grounds is situated a large building for the reception of fever patients, where the various forms of fever can be studied to advantage. A new wing lately added to the institution, to be used as a children's hospital, will greatly assist students in the study of diseases of children. The very great number of out-patients—averaging fifty a day—furnishes an extensive field for study of diseases of the eye and skin, as well as minor surgery. Clinical instruction is given daily, and all operations performed in presence of the students.

The *Women's Hospital of Montreal* affords excellent facilities for studying the diseases of women. There are also out-door clinics on Tuesdays and Fridays of each week, at which students will have an opportunity of becoming practically acquainted with the various modes of investigating and treating female complaints. The lying-in departments, under the care of the Professor of Midwifery, offer abundant material for a thorough acquaintance with the art of obstetrics.

The *Montreal Dispensary*, with a staff of eight physicians, has an average daily attendance of twenty-five patients. Being in close proximity to the manufacturing district of the city, it has a large number of minor accidents brought to it for attention, thus giving excellent opportunity for the practice of minor surgery—such as dressing wounds, bandaging, strapping, application of splints, &c.

The student will have every facility afforded him for acquiring practical knowledge, by auscultation and percussion, of diseases of the chest, which form a large proportion of the cases seen here.

In practical pharmacy the student has great advantages: the dispensing is done entirely by students in attendance, under the supervision of the attending physicians. Many useful and practical hints in the compounding of drugs, as well as their doses, are thereby acquired. Clinical instruction will be given by several of the attending physicians on the more important cases which may present themselves.

The *Hotel Dieu* and *St. Patrick's Hospital* (175 beds) are also within a few minutes walk of the college. They are visited daily at noon, and allow equal privileges to all students.

## MATRICULATION EXAMINATION.

*Examiners:* Rev. R. W. Norman, M.A., Oxon., and "officers of the college."

The subjects of Examination will be the same as recommended by the Council for Medical Education and Registration of Great Britain, which are as follows:—

**COMPULSORY SUBJECTS:** English, language, including grammar and composition; Arithmetic, including vulgar and decimal fractions; Algebra, to simple equations inclusive; Euclid, books I and II; Latin translation and grammar.

**OPTIONAL SUBJECTS:** [Candidates can select any one of the following subjects,] Greek, French, German, and Natural Philosophy, including Mechanics, Hydrostatics and Pneumatics.

Graduates in arts (not honorary) of recognized Universities, and matriculants in recognized colleges are not required to submit to the matriculation examination.

The matriculation examinations will be held in the first week in October and the last week in March.

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## PROFESSIONAL EXAMINATIONS.

Each candidate is examined both in writing and *viva voce*—First on \*Botany or Zoology (whichever the candidate selects); secondly, on Anatomy, Physiology, *Materia Medica*, and Chemistry; thirdly, (final examination), on Practice of Medicine, Surgery, Pathology, Midwifery and Diseases of Women and Children, Medical Jurisprudence, and Hygiene.

Students are at liberty to present themselves for examination on the first of these subjects at the end of their first session.

Students who have passed their examination on the first division of these subjects may be admitted to examination on the second division at the end of their third year.

Students who have passed their examination on the second division of these subjects may be admitted to the final examination at the end of their fourth year.

Candidates may, if they choose, be admitted to the three examinations at the end of their fourth year.

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\* A graduate in Arts is not required to pass the examination in Botany or Zoology

## SUGGESTIONS TO STUDENTS.

The statutes of the University permit a student to present himself for graduation after three years attendance on lectures; provided he has previously studied one full year with a duly licensed practitioner. It is recommended, however, that the entire period of four years be devoted to attendance on lectures during Session, in which case it would be advisable to attend as follows (paying special attention to practical anatomy during the first two years):—

### FOUR YEARS COURSE.

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#### FIRST SESSION.

ANATOMY, PHYSIOLOGY, MATERIA MEDICA, CHEMISTRY, BOTANY  
AND ZOOLOGY, DISSECTIONS, HOSPITAL PRACTICE.

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#### SECOND SESSION.

ANATOMY, PHYSIOLOGY, MEDICINE, SURGERY, MIDWIFERY AND  
DISEASES OF WOMEN AND CHILDREN, DISSECTIONS,  
HOSPITAL PRACTICE AND CLINICAL LECTURES.

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#### THIRD SESSION.

ANATOMY, PHYSIOLOGY, MATERIA MEDICA, CHEMISTRY,  
PRACTICAL CHEMISTRY, DISSECTIONS.

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#### FOURTH SESSION.

MEDICINE, SURGERY, PATHOLOGY, MIDWIFERY AND DISEASES OF  
WOMEN AND CHILDREN, MEDICAL JURISPRUDENCE,  
HYGIENE, HOSPITAL PRACTICE AND  
CLINICAL LECTURES.

Should a student have already studied one year with a licensed practitioner, and contemplate spending but three sessions at college, he is recommended to take the classes in the following order:—

### THREE YEARS COURSE.

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#### FIRST SESSION.

ANATOMY, PHYSIOLOGY, CHEMISTRY, MATERIA MEDICA, BOTANY  
AND ZOOLOGY, MIDWIFERY AND DISEASES OF WOMEN  
AND CHILDREN, SURGERY, DISSECTIONS,  
HOSPITAL PRACTICE.

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#### SECOND SESSION.

ANATOMY, PHYSIOLOGY, CHEMISTRY, MATERIA MEDICA, MEDICINE,  
PRACTICAL CHEMISTRY, DISSECTIONS, HOSPITAL  
PRACTICE, CLINICAL LECTURES.

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#### THIRD SESSION.

MEDICINE, SURGERY, PATHOLOGY, MIDWIFERY AND DISEASES  
OF WOMEN AND CHILDREN, MEDICAL JURISPRUDENCE,  
HYGIENE, HOSPITAL PRACTICE AND  
CLINICAL LECTURES.

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An *annus medicus* is constituted by at least two full courses of 120 lectures each, or by one such course and two courses of 60 lectures each, with previous enregistration.

Students are required to enregister their names at the commencement of each session. The registration book of the College will be closed on the first day of December in each year.

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Students of this University, who do not reside in the city, on application to the registrar, will be furnished with certificates, which, through the kindness of the Railway authorities, will entitle them to return tickets from Montreal at greatly reduced rates.

## PRIZES.

Prizes will be given at the close of the Session:--

- To the student who passes the best Final examination.
- To the student who passes the best Primary examination.
- To the best dissector in the Senior and Junior class.

In order to be entitled to a prize, candidates must be placed in the first class in Honors in all the subjects of examination.

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 TABLE OF FEES.

## LECTURES:

Principles and Practice of Medicine...one course...	\$12 00
"                    "            Surgery....	"    ... 12 00
Midwifery and Diseases of Women and Children.....	"    ... 12 00
Anatomy.....	"    ... 12 00
Physiology.....	"    ... 12 00
Chemistry .....	"    ... 12 00
Materia Medica.....	"    ... 12 00
Medical Jurisprudence.....	"    ... 10 00
Pathology.....	"    ... 6 00
Hygiene .....	"    ... 6 00
Botany and Zoology.....	"    ... 5 00
PRACTICAL CHEMISTRY (exclusive of apparatus)	"    ... 12 00
PRACTICAL ANATOMY (Dissections).....	"    ... 5 00
MATRICULATION.....	"    ... 2 00
DEGREES (C.M., M.D).....	"    ... 20 00
REGISTRATION .....	"    ... 1 00

## HOSPITAL FEES:

Admission Ticket—Six months, \$8 00; Twelve months, \$12 00; Perpetual, \$20 00.

Clinical Lectures on Surgery.....	6 00
"            "            Medicine.....	"    ... 6 00

Students are at liberty after having paid for two full courses on any subject to attend subsequent courses on the same subject free.

## LECTURES.

SESSION 1874-1875.

PRINCIPLES AND PRACTICE OF MEDICINE;

BY

AARON H. DAVID, M.D., EDIN., L.R.C.S.E., D.C.L.

It is proposed in these Lectures to give a complete history of the most important constitutional affections, as well as of the diseases which attack the principal organs of the human body.

The distribution of the Course will have some reference to the different systems of organs, the diseases of which will be separately and fully described. Thus diseases of the respiratory, digestive, nervous organs, &c., will constitute distinct sections of the entire Course; and again, the different forms of fever including the acute febrile diseases of specific character, will form a separate group.

**DIGESTIVE SYSTEM:** Diseases of the Mouth, Tongue, Salivary Glands, Pharynx, Œsophagus, Stomach, Intestines, Liver and Gall-badder, Pancreas, Spleen. Cholera.

Mesenteric Glands, and Peritoneum. Worms.

**RESPIRATORY SYSTEM:** Diseases of the Larynx, Trachea, and Lungs.

**CIRCULATORY SYSTEM:** Diseases of the Heart, Arteries, and Veins.

**URINARY SYSTEM:** Diseases of the Kidneys and Bladder. Diabetes.

**FEVERS:** Exanthemata, &c.

**NERVOUS SYSTEM:** Diseases of the Brain, Spinal Cord, and Nerves. Chorea. Epilepsy. Delirium Tremens. Hysteria. Hypochondriasis. Insanity.

**GENERAL DISEASES:** Anæmia and Chlorosis. Leucocythæmia. Rheumatism. Gout. Scurvy. Dropsy.

**CUTANEOUS SYSTEM:** Diseases of the Skin and appendages.

Every day, except Saturday, at 2 P.M.

*Books Recommended.*—Flint, Watson, Woods, Aitken, Roberts.

# PRINCIPLES AND PRACTICE OF SURGERY;

BY

ROBERT T. GODFREY, M.A., M.D., C.M.

This course will be divided into GENERAL SURGERY and SPECIAL SURGERY.

GENERAL SURGERY will consist of a series of lectures embracing the principles of the art, and will be devoted to the following subjects:—Inflammation, Suppuration and Abscess, Erysipelas, &c., Ulceration, Mortification, Injury, Shock, Traumatic Delirium, Tetanus, Wounds, Hæmorrhage, Fractures, Dislocations, Morbid Growths and Tumors, Venereal Diseases.

The lectures on SPECIAL SURGERY will embrace affections of different regions.

Diseases of Joints—Fractures and Dislocations.

Diseases of Arteries and Veins—of Nerves and Absorbents—Hernia.

The various injuries to the Skull and Face—Compression and Concussion.

Diseases of the Eye and Orbit.

Morbid conditions of the Mouth, Nose, soft Palate, and Throat.

Diseases of the Urinary and Generative Organs—Lithotomy and Lithotripsy.

The different operations will be performed on the dead subject in the class-room, before the students, when the various instruments and their uses will be explained in this portion of the course.

Practical surgery will receive a due share of attention, and the application of anatomical facts will be demonstrated on the living as well as on the dead subject.

Every day, except Saturday, at 3 P.M.

*Text Book*—Erichsen's Science and Art of Surgery.

*Books of Reference*—Holmes' System of Surgery, Miller, and Gross.

## PATHOLOGY AND MORBID ANATOMY;

BY

GEORGE WILKINS, M.D., M.R.C.S. Eng.

These lectures are designed to teach the general principles of Pathology, and their application to special morbid changes in the more important organs of the body.

In the lectures embracing the Morbid Anatomy of the various organs, PATHOLOGICAL HISTOLOGY will be specially dwelt upon, showing that the coarser alterations in size, consistency, colour, &c., are based upon changes in their structural elements.

Particular attention will be devoted to the Pathology of the following subjects:

**HYPERTROPHY—ATROPHY —REPAIR:** of wounds, fractures, &c.

The various forms of **DEGENERATIONS** and **INFILTRATIONS**: Fatty, Amyloid, Calcareous, and Pigmentary.

**INFLAMMATION**—of Mucous and Serous Membrans—of the Kidney, Liver, Lungs &c.

**BLOOD POISONING:** Pyæmia, Septicæmia, Erysipelas, Carbuncle.

**TUBERCLE** and **TUBERCULOSIS**—**PHTHISIS.**

Scrofula,—Syphilis,—Gout and Rheumatism,—Hysteria.

**TUMOURS**

Thrombosis—Embolism—Cancer.

The morbid changes in the tissues will be demonstrated by the Microscope, and illustrated by recent specimens and preparations from the museum, as well as by coloured plates and diagrams specially prepared for these lectures.

Every Tuesday and Thursday, at 5 P.M.

*Text Book*—Green's Pathology and Morbid Anatomy.

*Books of Reference*—Pathological Histology by Rindfleisch. Surgical Pathology by Paget. Niemeyer's Text Book of Practical Medicine.

# MIDWIFERY AND THE DISEASES OF WOMEN AND CHILDREN;

BY

EDWARD H. TRENHOLME, M.A., M.D., C.M., B.C.L.

ANATOMY of Female Pelvis and Fœtal Head, and Organs of Generation.

SPECIAL PHYSIOLOGY of the FEMALE:—Menstruation; Generation; Pregnancy, its signs and management.

PARTURITION: I. NATURAL LABOUR; its general Phenomena; Mechanism of Labour; Management of Woman during Natural Labour; the Puerperal State; Anæsthetics during Labour.

II. UNNATURAL LABOUR—From Causes retarding the Process of Labour.

- a. From Abnormal condition of expulsive force—Feeble, Irregular Uterine Action, &c.
- b. From Abnormal condition of the Uterus and Soft Parts, or of the Bony Pelvis, as in Rickets, Mollities Ossium, &c. Operations applicable to the above cases:—Application of the Forceps—Performance of Craniotomy—the Cæsarean Section—Induction of Premature labour.
- c. From Abnormal Condition of child—Excessive Size of the Child, Hydrocephalus, &c.; Malposition of the child—Plural Births—Monsters—Operation of Turning.

### III. COMPLEX LABOUR.

- a. Labours especially hazardous to the Mother:—Rupture of Uterus or Laceration of Vagina—Inversion of Uterus—Retention of Placenta—Uterine Hæmorrhage, either Accidental or Unavoidable—Puerperal Convulsions.
- b. Labours especially hazardous to the child: Prolapsus of the Cord.

DISEASES OF THE PUERPERAL STATE:—Puerperal Fever—Phlegmasia Dolens—Puerperal Mania.

DISEASES OF PREGNANCY:—Retroversion of the Uterus—Premature Expulsion of the Fœtus—Molar and Extra Uterine Pregnancy.

DISEASES OF THE UNIMPREGNATED STATE:—Disorder of the Menstrual Function—Diseases of the Uterus; of the Ovaries; of the Vagina and External Organs.

DISEASES OF CHILDREN:—Amount and Causes of Infantile Mortality—Peculiarities of Infantile Organization—General rules for the Investigation and Treatment of Infantile Disease.

Diseases peculiar to Early Infancy and Childhood.

Every day, except Saturday, at 4 P.M.

*Books Recommended*—Midwifery: Meadows, Leishman, Schröder. Diseases of Women: Barnes. Diseases of Children: Smith, Meigs and Pepper, West.

**MEDICAL JURISPRUDENCE,**  
(Including Toxicology and Psychology,)

BY

WILLIAM GARDNER, A.M., M.D.

THE object of these Lectures is to teach the application of Medical Science to the elucidation of questions occurring in Courts of Law; and to afford rules for the conduct of the Medical Practitioner in Medico-Legal Inquiries.

The matters most fully treated of will be—

**MEDICAL EVIDENCE.**

**PERSONS FOUND DEAD.** Date of Death. Evidence of Age and Sex from Skeleton.

Death or Injury from **APNŒA**, from Drowning, Hanging, Strangulation and Suffocation, or Smothering.

Death or Injury from exposure to the effects of **IRRESPIRABLE GASES.**

Death from **HEAT, COLD, STARVATION** and **LIGHTNING.**

**WOUNDS** and **BURNS.**

Diagnosis of the different causes of **INSENSIBILITY.**

**INFANTICIDE.**

**CRIMINAL ABORTION.**

**RAPE.**

Under the heading of Toxicology will be considered—

The **CLASSIFICATION** of **POISONS.**

General **EVIDENCE** of Poisoning.

Poisoning by **ACCIDENT** or **MALEVOLENCE.**

The **SYMPTOMATOLOGY** of the Poisons most frequently taken, the mode of detection, and treatment in each case.

Under the heading Psychology, the various forms of **UN SOUNDNESS** of **MIND** will be considered.

Some attention will be devoted to the Pathology and Treatment of Insanity, as this subject is not taken up in any of the other courses of lectures in this University. Especial attention will be devoted to the Legal Relations of this important disease.

Monday, Wednesday and Friday at 5 p.m.

*Text Books.*—Guy's Manual of Forensic Medicine; Taylor's Manual of Medical Jurisprudence; Orfila, Devergie, Casper, Maudsley on Insanity.

## HYGIENE; OR, STATE MEDICINE,

BY

JEAN LUKIN LEPROHON, M.A., M.D., C.M.

The lectures on this subject, the importance and value of which is now universally admitted, are intended—

To teach the application of Sanitary Science to questions concerning Public Health.

To afford rules for the conduct of the Medical Practitioner in Sanitary Inquiries.

To inculcate the use of suitable Hygienic Measures in the prevention and arrest of Contagious Diseases, and

To confer such knowledge of the principles of State Medicine as it is desirable that every medical man should possess.

The following are some of the important subjects that will be treated :—

FOOD—Digestibility—Adulterations—Diseases connected with food.

WATER—The effects of impurities on public health.

VENTILATION—Quantity of air required, &c.

OFFENSIVE TRADES—Their management.

SEWERAGE—Influence on death-rate of cities.

MEDICAL STATISTICS.

PRISONS—REFORMATORIES.

PAUPERISM.—CRIME.—INSANITY.

The effect of CLIMATE on health.

Tuesdays and Thursdays at 9 a.m.

*Books recommended*—*Traité d'Hygiene*, par M. Lévy; *Practical Hygiene*, by Parkes.

## DESCRIPTIVE AND SURGICAL ANATOMY,

BY

RICHARD A. KENNEDY, M.A., M.D., C.M.

In the lectures of this course there will be exhibited the entire structure of the Human Body, arranged according to its various systems.

Reference will be made, as occasion offers, to Surgical Diseases, and the relative position of parts will be dwelt upon so as to embrace Regional Anatomy. The lectures will be illustrated by careful dissections, preparations, plates, &c., and will be delivered in the following order:

I.—OSSEOUS SYSTEM AND JOINTS.—This includes a description of the several bones composing the Skeleton, and of the Ligaments connecting them together so as to form Joints.

II.—MUSCULAR SYSTEM.—The attachment and function of Muscles, their action in regard to fractured bones, and their position as guides to Surgical operation, will be pointed out. In this part will also be given the Anatomy of the Perineum and of Inguinal and Femoral Hernia.

III.—VASCULAR SYSTEM—Arteries and Veins. The relations of the Arteries and their more frequent peculiarities. Regional Anatomy will be described in this part of the course.

IV.—NERVOUS SYSTEM.—Comprising the Brain, Spinal Cord, Cerebro-Spinal Nerves and Sympathetic.

V.—VISCERAL SYSTEM.—The relative position of the different Viscera of the Thoracic, Abdominal, and Pelvic cavities will be explained and illustrated.

Every day, except Saturday, at 9 a.m.

*Books recommended*—Gray, Wilson, &c.

## PRACTICAL ANATOMY.

*This Department is under the superintendence of the Professor of Anatomy.*

The Dissecting Room is open daily from 8 a.m. to 10 p.m., except on Saturday, when it is closed at 5 p.m.

Ample opportunities are afforded for dissecting, fresh subjects at fixed rates being provided by the Demonstrators, either one of whom will be in attendance daily from 4 to 6 and from 8 to 10 p.m., to direct and assist students' in their dissections, and examine upon the work done in the room. The Dissecting Room is supplied with every requisite for the comfort and convenience of students, due regard being observed for sanitary measures. Every possible facility will be afforded the student in this most important department.

*Book recommended for use in the Dissecting Room*—Ellis' Demonstrations of Anatomy.

## PHYSIOLOGY,

BY

FRANCIS WAYLAND CAMPBELL, M.A., M.D., L.R.C.P. LOND.

These lectures will be devoted to the consideration of the structure, composition and properties of the several Fluids, Tissues, and Organs of the Body; the natural changes through which they pass; and the functions they discharge. These subjects will be taught in the following order:—

The Structural and Chemical Composition of the HUMAN BODY.

The Principal Elementary TISSUES: Epithelium, Areolar and Fibrous Tissues, Adipose Tissue, Cartilage, Bone.

Serous, Synovial, and Mucous MEMBRANES.

The BLOOD.

The CIRCULATION: the structure and functions of the Heart, Arteries, Capillaries, and Veins.

RESPIRATION: the Anatomy of the Lungs and Air-passages.

DIGESTION, with a description of the Mouth, Teeth, Salivary Glands, Stomach, Intestinal Canal, Pancreas, and Liver. FOOD.

ABSORPTION: Lymphatic Vessels and Glands; Lymph and Chyle—their relation to the Blood.

The Blood-elaborating GLANDS: the Spleen, Thyroid, Thymus, Renal Capsules, &c.

NUTRITION, and the consideration of ANIMAL HEAT, &c.

SECRETION: the Kidneys, the Mammary Gland, and other Glands not elsewhere described.

The SKIN and its Appendages.

MOTION: Cilia, Muscle.

The NERVOUS SYSTEM: the structure and functions of Nerves and Nerve-Centres; the Spinal Cord, Brain, &c.

The Physiology of the MIND. The SENSES. The VOICE and SPEECH. REPRODUCTION and DEVELOPMENT.

Every day, except Saturday, at 10 a.m.

*Books recommended.*—Marshall, Kirke, Dalton, Carpenter.

## CHEMISTRY,

GEO. B. SHAW, C.M., M.D.

The subjects of this course will be considered in the following manner:—

**PHYSICS**—including Gravity, Light, Heat, Electricity, and Chemical Philosophy. Instructions on these subjects will be given by experimental Lectures in the early part of the session.

**INORGANIC CHEMISTRY**—Comprising: (1.) The Laws of Chemical Combination. (2.) A description of the Physical and Chemical properties and the mode of preparation of the non-metallic elements of their compounds, illustrated by practical demonstrations. (3.) The chemistry of the metals and of their most important compounds, with tests for their detection, &c.

**ORGANIC CHEMISTRY**—These Lectures will comprise the consideration of: (1.) The composition and relation of the best defined group of organic bodies and the laws regulating their formation. (2.) The application of chemical principles to the arts and economic science. (3.) Medical Chemistry including Analysis and Toxicology.

Every evening, except Saturday, at 7 p. m.

*Books necessary.* Balfour Stewart's Science Primer "Physics," Atfield's Chemistry, Chambers' "Inorganic Chemistry."

*Books recommended*—Miller's Elements of Chemistry.

## PRACTICAL CHEMISTRY,

J. BAKER EDWARDS, Ph.D., D.C.L.

This course will be given during January, February, and March—two days a week—and will comprise a course of:

**QUALITATIVE ANALYSIS**, with special reference to detection of poisons and adulterations; the nature and reactions of **HEALTHY** and **MORBID URINE**.

The Microscopical and Chemical Examination of **URINARY DEPOSITS** and **CALCULI**.

The Spectroscopic Examination of **BLOOD**, **METALLIC BASES**, &c. Demonstration will be given on the use of the Microscope.

Students will provide themselves with a set of apparatus which has been selected by the Professor, and may be obtained for the sum of five dollars; also a note book.

No experiments will be permitted in the Laboratory except those under the direction of the Professor and at the hours appointed.

Gentlemen who are not following other courses will be admitted to the Lectures and Laboratory on matriculation.

Wednesday and Saturday, from 3 to 5 p.m.

*Books necessary*—Chambers' "Practical Chemistry."

*Books recommended*—Carpenter on the Microscope; Lankester's Half Hours with the Microscope; Beale on the Microscope.

## MATERIA MEDICA AND THERAPEUTICS,

BY

ALEXANDER H. KOLLMYER, M.A., M.D.

The course of lectures will comprise a complete description of the history, preparation, manufacture, characteristic appearance, action on plants, the lower animals, and on man, together with the uses of all substances that are employed in medicine.

These subjects will be illustrated by plates, diagrams on the black-board, specimens, dried preparations, and the most complete cabinet of medicinal substances in Canada.

Experiments to detect impurities and adulterations, as well as to show the chemical reactions of each article, and carefully prepared microscopical preparations will be exhibited to the class.

The art of prescribing and writing prescriptions will receive particular attention.

Poisons will also be fully described—their modes of detection, as well as their appropriate antidotes.

Each substance will be considered with respect to:

1. Its Nature.—MATERIA MEDICA.
2. Its preparation.—PHARMACY.
3. Its use and administration.—THERAPEUTICS.

These Medicaments will be arranged according to their origin from the Mineral, Vegetable, or Animal Kingdoms.

The Mineral Salts will generally be described under their respective basic elements, and the Vegetable substances according to a systematic arrangement founded on their chemical composition.

The concluding lectures will be devoted to the consideration of the products of FERMENTATION and DISTILLATION, such as Alcohols, Ethers, Chloroform, Chloral, Carbolics, &c.

Every day, except Saturday, at 11 a.m.

*Books recommended.*—Royle & Headland's *Materia Medica*; Garrod's *Materia Medica*; Pereira's *Manual*; Nelligan's *Medicines*; and the *United States Dispensatory*.

The Museum containing substances described in the *Pharmacopœia*, and plates of officinal plants, will be open daily.

## BOTANY AND ZOOLOGY,

BY

SILAS E. TABB, M.A., EX., M.D.

**BOTANY.**

## Part I.—STRUCTURAL BOTANY.

Anatomy:—Cells, Vessels, Ducts, Cysts, Glands, Intercellular Spaces, &c.

Anatomy of Roots, Stems, Leaves, Flowers, and Fruits.

Morphology:—Plant: Axis of Vegetation and Appendages.—Organs.

I. *Organs of Vegetation* :

- a. Root (character, position, form, &c.)
- b. Stem (character, position, form, &c.)
- c. Leaves (simple and compound, venation, modifications of venation, phyllotaxis, &c.)

II. *Organs of Reproduction* :

- a. Flower (regularity and symmetry of the floral organs. The various modifications of the flower.)
- b. Inflorescence (indefinite, definite, and their varieties.)
- c. Fruits (simple, aggregate, accessory, or anthocarpous, and multiple.)

## Part II.—PHYSIOLOGICAL BOTANY.

1. *Cell Formation and Development of Tissues.*
2. *Functions of the Organs of Vegetation.*—Absorption, Transpiration, Respiration, Assimilation, and Secretion.
3. *Functions of the Organs of Reproduction.*—Formation of Pollen; Fertilization and Growth of Ovules; Maturation and Germination of the Seed; Development of Spores, &c.

## Part III.—SYSTEMATIC AND DESCRIPTIVE BOTANY.

Under this division of the subject, the principles of classification will be discussed. Special notice will be taken of those orders containing medicinal plants indigenous to Canada and the United States, and, towards the end of the course, a few lectures will be devoted to the mode of preserving and determining plants.

**ZOOLOGY AND COMPARATIVE PHYSIOLOGY.**

- 1.—*General Zoology*—Under this heading will be considered the Histology, Comparative Anatomy, and Physiology of Animals.
2. *Descriptive Zoology.*—Including the principles of classification and the grounds on which the divisions of the Animal Kingdom are made.

Every Monday, Wednesday, and Friday, at 3 p. m.

*Text Books.*—Dr. Gray's Structural and Systematic Botany, and Dr. Silver's work on Botany. Dawson's Manual of Zoology.

## DAYS AND HOURS OF LECTURES.

	Mon.	Tues.	Wednes.	Thurs.	Friday.	Sat'dy.
Anatomy.....	9	9	9	9	9	.....
Hygiene .....	.....	*9	.....	*9	.....	.....
Physiology.....	10	10	10	10	10	.....
Materia Medica.....	11	11	11	11	11	.....
Hospital Practice.....	12	12	12	12	12	12
Practice of Medicine...	2	2	2	2	2	.....
Surgery.....	3	3	3	3	3	.....
Practical Chemistry...	.....	.....	*3	.....	.....	*3
Botany and Zoology...	3	.....	3	.....	3	.....
Midwifery.....	4.	4	4	4	4	.....
Medical Jurisprudence	5	.....	5	.....	5	.....
Pathology .....	.....	5	.....	5	.....	.....
Chemistry .....	7	7	7	7	7	.....

\*These lectures are delivered during the months of January, February, and March.

## STATUTES

OF THE

## UNIVERSITY OF BISHOP'S COLLEGE,

## RELATIVE TO THE GRADUATION IN MEDICINE AND SURGERY.

I The medical degrees of this University are—Master of Surgery (C.M.) and Doctor of Medicine (M.D.). The degree of Master of Surgery is not conferred on any person who does not also at the same time obtain the degree of Doctor of Medicine.

II. The preliminary examinations shall be upon the following branches of extra medical education, viz., English, Latin, Arithmetic; Algebra, Geometry and one of the following optional subjects, Natural Philosophy, Greek, French or German, which examination each student will have to undergo prior to the commencement of his medical studies.

III. A degree in Arts, not being an honorary one, of any recognized university or its equivalent, exempts from the preliminary examination.

IV. No one can be admitted for examination for the degrees of Master of Surgery and Doctor of Medicine who has not been engaged in medical and surgical study for four years; but a certificate of having studied one full year with a duly licensed practitioner, previous to taking his first session, will reduce the period of study at the University to three sessions.

V. At the commencement of every session each student must enrol his name and residence in the Register of the Medical Faculty and obtain from the Registrar a ticket of Matriculation.

VI. The Matriculation Books of the Registrar shall be closed on the first day of December in each year.

VII. No student can obtain his ticket from any of the professors without having previously obtained his Matriculation ticket.

VIII. Every candidate for graduation in Medicine and Surgery must give sufficient evidence, by certificates—

1. That he has attended lectures on each of the following departments of medical science,—viz.,

Anatomy,  
Physiology,  
Chemistry,  
Materia Medica and Therapeutics,  
Theory and Practice of Medicine,  
Principles and Practice of Surgery,  
Midwifery and the Diseases of Women and  
Children,  
Hygiene or State Medicine,  
Medical Jurisprudence,  
Pathology,  
Botany and Zoology,  
Practical Chemistry and Microscopy,

} Two courses of six months  
each.

} One course of each.

2. That he has attended clinical lectures in Medicine and Surgery, of each two courses of three months.
3. That he has performed dissections during not less than two winter sessions.
4. That he has attended for at least twelve months the Medical and Surgical practice of a General Hospital approved of by this University.
5. That he has been engaged for at least *three* months in compounding and dispensing drugs at a hospital, a dispensary, or with a duly licensed practitioner.
6. That he has attended at least six cases of midwifery, either in a lying-in hospital or in private practice, under the supervision of a regular medical practitioner.

IX. Out of the four years of medical and surgical study required by Clause IV, one full course on each branch mentioned in Section 1, Clause VIII, must be attended in this University.

X. Courses of less length than the above (Clause VIII) will only be received for the time over which they have extended.

XI. Every candidate for the Degree must, on or before the first day of March, deliver to the Dean of the Medical Faculty—

1. A declaration, in his own handwriting, that he has completed his twenty-first year of age (or that he will have done so before the day of graduation).
2. A statement of his studies, accompanied with proper certificates.
3. A Thesis or Inaugural Dissertation, written by himself, either in the English or French language, on some subject connected with medical or surgical science.

XII. Every candidate shall be examined both in writing and *viva voce*. The examinations are divided into Primary and Final.

The *Primary*, comprehending Anatomy, Chemistry, Practical Chemistry, Materia Medica, Physiology, and Botany or Zoology.

The *Final*—Practice of Medicine, Surgery, Midwifery and Diseases of Women and Children, Medical Jurisprudence, Pathology, and Hygiene.

XIII. Candidates may, if they choose, be admitted to examination on the *Primary* Branches at the end of the third year of their study. The *Final* Examination shall not take place until the candidate has completed his fourth year of study.

## REGULATIONS.

1st. Each Professor shall deliver five lectures a week except those of Clinical Medicine, Clinical Surgery, Pathology, Hygiene, and Practical Chemistry, of which only two lectures a week will be required; Botany and Zoology, of which three lectures a week will be required; Medical Jurisprudence, if extending through six months, three lectures a week.

2nd. The courses of all the class except those of Clinical Medicine, Clinical Surgery, Medical Jurisprudence, Hygiene, and Practical Chemistry shall be of six months duration; Clinical Medicine, Clinical Surgery, Hygiene, and Practical Chemistry, shall be of three months duration each; Medical Jurisprudence, either of three months—in which case five lectures a week shall be delivered—or of six months duration, in which case only three lectures a week will be required.

3rd. Each lecture shall be of one hour's duration.

4th. Written or oral examinations shall be held by each Professor once a week upon the subjects treated of in his preceding lectures, and every such examination shall be considered a lecture.

5th. Each Professor shall, at intervals, call a roll of the names of the students attending his class.

6th. Tickets, which have not a certificate of regular attendance shall be rejected when presented as testimonials, previous to examination, unless the omission be satisfactorily accounted for.

7th. The session of each year will commence on the first Wednesday in October, and, with the exception of a vacation at Christmas, will continue to the end of March.

## FEES.

1. The Fee for the class of Medical Jurisprudence shall be \$10; Pathology, Clinical Medicine, Clinical Surgery and Hygiene, \$6 each; Botany and Zoology, \$5; Demonstrator of Anatomy, \$5; and that of all the other classes, \$12. The fee for Matriculation each year will be \$2. The fees must all be paid in advance.

2. Any student having paid the fees, and attended two courses of lectures in any class, shall be entitled to a perpetual ticket for the same.

3. The fee for the degree of Master of Surgery and Doctor of Medicine shall be \$20, to be paid by successful candidates, together with the registration fee of \$1.

## OATH.

Ego Doctoratus in Arte Medica titulo jam donandus, sancte coram Deo cordium scrutatore, spondeo, me in omni grati animi officio erga hanc Universitatem ad extremum vitæ halitum perseveraturum.

Tum porro Artem Medicam, caute, caste, probeque exercitaturum, et quoad potero, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum. Quæ, denique, inter medendum visa vel audita sileri conveniat, non sine gravi causa vulgaturum.

Ita præsens spondenti adsit Numen.

## SESSION 1873-74.

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The total number of students that attended and matriculated during the past session is thirty. Their names and addresses are as follows :—

William Warminton, Montreal.....Q.	Edward Rose, St. Philomène.....Q.
Henry J. Tiffin, ".....Q.	Valmore St. Germain, St. Hyacinthe.Q.
William M. Hunter, Cornwall.....O.	Anthony Kerry, Montreal.....Q.
Robert Costigan, Montreal.....Q.	E. A. Duclos, Montreal.....Q.
Edward Gravely, Cornwall.....O.	Louis Trudeau, Montreal.....Q.
John T. Davis, Barbadoes, W. Indies.	James Mattinson, Montreal.....Q.
John M. Mackay, St. Eustache.....Q.	John Birks, Montreal.....Q.
Alphonse U. Duhamel, Montreal.....Q.	John Lane, Brockville.....O.
David A. Hart, St. Zéphirin.....Q.	John L. Taylor, Montreal.... Q.
John Sheridan, Montreal.....Q.	Joseph L. Palmer, Montreal.....Q.
P. Arthur Shee, Quebec.....Q.	Joseph Arthur Pidgeon, Quebec.....Q.
John Ahern, Quebec.....Q.	Joseph V. A. Venner, Quebec.....Q.
Ludger Trudeau, Montreal.....Q.	Terence Sheridan, Quebec.....Q.
Israël Lemieux, St. Urbain.....Q.	Jeremiah Eneas, Montreal.....Q.
Elzéar Sabourin, St. Urbain.....Q.	Charles Lafontaine, Chambly.....Q.

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### PRIMARY EXAMINATIONS.

The Examination in Botany was held on Saturday, the, 14th day of March, and was passed by the following gentlemen :—

John T. Davis,  
John Lane,  
Edward Rose,

Edward Graveley,  
Israël Lemieux,  
P. Arthur Shee.

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The Examinations in Anatomy, Physiology, Materia Medica and Chemistry were held on Thursday and Friday, the 26th and 27th March, and were passed by the following gentlemen :—

Israël Lemieux,  
Edward Rose,

Joseph Arthur Pidgeon,  
P. Arthur Shee,

Joseph V. A. Venner.

## FINAL EXAMINATION.

C.M., M.D.

This Examination was held on Monday and Tuesday, the 30th and 31st March, and was successfully passed by the following gentlemen:—

Robert Costigan .....	Montreal, Q.....	Thesis...Puerpural Convulsions.
Joseph V. A. Venner.....	Quebec, Q.....	" ..... Anæmia.
William M. Hunter.....	Cornwall, O.....	" ..... Diphtheria.
David A. Hart.....	St. Zéphirin, Q.....	" ..... Counter Irritation.
Israël Lemieux.....	St. Urbain, Q.....	" ..... Emetics.
Edward Rose.....	St. Urbain, Q.....	" ..... Opium.
Patrick Arthur Shee.....	Quebec, Q.....	" ..... Sign of Death.
Jeremiah Eneas.....	Montreal, Q.....	" ..... Gonorrhœa.
Charles Lafontaine.....	Chambly, Q.....	" ..... Phthisis.
Esrom A. Duclos.....	Montreal, Q.....	" ..... Abortion.
Valmere St. Germain.....	St. Hyacinthe, Q....	" ..... Generation & Gestation.
John M. Mackay.....	St. Eustache, Q.....	" ..... Hysteria.

The Convocation for conferring degrees in Medicine was held in the University, at Lennoxville, on Thursday, the ninth day of April. The Chancellor, the Honble. Ed. Hale, D.C.L., conferred the degrees of C.M., M.D., upon the gentlemen above named, who successfully passed their final examination.

The prize for the best final examination was awarded to Robert Costigan.

The following named gentlemen having also been placed in the first class in Honors received honorable mention: Messrs. Victor J. A. Venner, William M. Hunter, David A. Hart, and Israël Lemieux.

The Valedictory address on behalf of the Students was delivered by Dr. D. A. Hart, and that on behalf of the Faculty by Dr. Leprohon.

## STUDENTS WHO HAVE OBTAINED HONORS IN MEDICINE IN THIS UNIVERSITY.

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| <p><b>AHERN (JOHN.)</b><br/>1872. Practical Anatomy, Honorable Mention.</p> <p><b>COSTIGAN (ROBERT.)</b><br/>1872. Practical Anatomy, Junior Prize.<br/>Physiology, Junior Prize.<br/>1873. Physiology, Prize.<br/>1874. Final Examination, Prize.</p> <p><b>COQUILLETTE (W. E.)</b><br/>1873. Practical Anatomy, Junior Prize.</p> <p><b>DUBUC (GODFROI.)</b><br/>1872. Practical Anatomy, Senior Prize.<br/>Physiology, Senior Prize.<br/>Primary Examination, Prize.<br/>1873. Final Examination, Honorable Mention.</p> <p><b>GODFREY (ROBERT F.)</b><br/>1873. Practical Anatomy, Senior Prize.<br/>Final Examination, Honorable Mention.</p> <p><b>HART (DAVID A.)</b><br/>1874. Final Examination, Honorable Mention.</p> | <p><b>HUNTER (WILLIAM M.)</b><br/>1874. Final Examination, Honorable Mention.</p> <p><b>LATOUR (ANDRÉ.)</b><br/>1872. Final Examination, Prize.</p> <p><b>LAWRENCE (FREDERICK C.)</b><br/>1873. Final Examination, Honorable Mention.</p> <p><b>LEMIEUX (ISRAEL.)</b><br/>1874. Final Examination, Honorable Mention.</p> <p><b>PALMER (JOSEPH L.)</b><br/>1873. Practical Anatomy, Second Junior Prize.</p> <p><b>SPENCER (RICHMOND.)</b><br/>1872. Practical Anatomy, Honorable Mention.</p> <p><b>SHAW (GEORGE BEGG.)</b><br/>1873. Primary Examination, Prize.<br/>Final Examination, Prize.<br/>Physiology, Prize.</p> <p><b>VENNER (JOSEPH V. A.)</b><br/>1874. Final Examination, Honorable Mention.</p> |
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## NAMES AND ADDRESSES OF GRADUATES IN MEDICINE OF THIS UNIVERSITY.

1874.....	Costigan, Robert.....	Indianapolis, Indiana,	U.S.
1872.....	Cunningham, Henry S.....	Indianapolis, Indiana,	U.S.
1872.....	Desilets, Philip A.....	Three Rivers,	Q.
1874.....	Duclos, E. A.....	Montreal,	Q.
1873.....	Dubuc, Godfroi.....	Bedford,	Q.
1874.....	Eneas, Jeremiah.....	Montreal,	Q.
1873.....	Fontaine, Isâac.....	St. Barnabie,	Q.
1873.....	Godfrey, Robert Frederick.....	Montreal,	Q.
1874.....	Hart, David A.....	St. Zéphirin,	Q.
1874.....	Hunter, William M.....	Cornwall,	Q.
1872.....	Lanouette, Joseph E. A.....	Gentilly,	Q.
1873.....	Lawrence, Frederick Chs.....	Marbleton,	Q.
1874.....	Lafontaine, Charles.....	Chambly,	Q.
1872.....	Latour, André A.....	Montreal,	Q.
1874.....	Lemieux, Israël.....	St. Urban,	Q.
1873.....	Macdonald, William.....	Montreal,	Q.
1874.....	Mackay, Jno. M.....	St. Eustache,	Q.
1872.....	Nelson, Wolfred D. E.....	Montreal,	Q.
1874.....	Rose, Edward.....	St. Urbain,	Q.
1873.....	Peltier, Gaspard U.....	St. Guillaume,	Q.
1873.....	Robillard, Edmond, <i>ad eundem</i> .....	Montreal,	Q.
1873.....	Slack, George F., M.R.C.S., Eng.....	Montreal,	Q.
1873.....	Shaw, George Begg.....	Montreal,	Q.
1874.....	Shee, Patrick Arthur.....	Quebec,	Q.
1874.....	St. Germain, Valmire.....	Minneapolis, Minnesota,	U.S.
1874.....	Venner, Victor John A.....	Quebec,	Q.
1872.....	Webber, Richard N.....	Richmond,	Q.

## EXAMINATION PAPERS.

SESSION 1873-74.

## PRIMARY EXAMINATION.

BOTANY.

SATURDAY, MARCH 14TH, 1874. 2 TO 5 P.M.

*Examiner*,.....PROFESSOR SILAS E. TABB, M.A., M.D., C.M.

1. Describe the processes of Cell-Multiplication.
2. Describe fully the anatomy of the Leaf.
3. Explain the growth of the Cambium layer.
4. State the characteristic differences between Exogens and Endogens.
5. Name the circles of organs in a perfect flower, and describe fully the structures of the Stamen and Pollen.
6. Explain what is meant by Atropous and Anatropous ovules: Collateral and Vertical Chorisis: and Vernation.
7. Explain Fertilization in Phœnogamous plants, and state the distinction between Albuminous and Exalbuminous seeds.
8. What is a Parasite as distinguished from an Epiphyte, and a Corm as distinguished from a Bulb?
9. Explain the terms Syngenesious, Monadelphous, Mucronate, Adnate.
10. Distinguish between Aggregate and Multiple fruits.
11. Describe the Drupe, Akene, Grain, Follicle.
12. Describe the orders Papaveraceæ and Smilacæ, and state the class to which they belong respectively.

## MATERIA MEDICA AND THERAPEUTICS.

THURSDAY, 26TH MARCH, 1874:—9 A. M. TO 11 A. M.

*Examiner*,.....Professor A. H. KOLLMYER, M.A., M.D.

1. Describe the manner in which the following medicines produce purgation; state the number of dejections an ordinary dose of each effects; the nature of the discharges in each case; and the time that generally elapses between the administration of the dose, and the first alvine evacuation:

- |                      |                      |                         |
|----------------------|----------------------|-------------------------|
| (a) Ol. Croton. Tig. | (e) Pulv. Colocynth. | (i) Sulph. Sublim.      |
| (b) Ol. Ricini       | (f) Pulv. Rhei       | (j) Magnes. Carb.       |
| (c) Aloes Socot.     | (g) Res. Podophylli  | (k) Magnes. Sulph.      |
| (d) Pulv. Gambogiæ   | (h) Res. Leptand.    | (l) Potass. Tart. Acid. |

2. How is the blood-supply of the nervous system affected by the following agents:

Strychnia. Belladonna. Secale Cornut. Chloral Hydrat.

3. What effect is produced upon the heart and circulation by Digitalis purp., Acid Hydrocyan, Verat. Viride, Aconit. Napellus?

4. Write a scientific prescription having Magnes. Sulph. for the basis, and give your reasons for employing each ingredient, and the arguments in favor of using the Latin tongue in the construction of THE BODY of the prescription.

5. What quantities do you mean to express by the employment of the following familiar terms:—A Tumbler, Teacup, Wine-glass, Table, Dessert, and Teaspoonful? and what difference is there between a *minim* and a *drop*?

6. What are the most appropriate Emetics in cases of poisoning; what are their respective doses, and in what manner should they be administered?

## CHEMISTRY AND EXPERIMENTAL PHILOSOPHY.

THURSDAY, 26TH MARCH, 1874: 11 A. M. TO 1 P. M.

*Examiner*,.....Professor J. BAKER EDWARDS, Ph.D., D.C.L.

1. What is the usual source of Hydric Nitrate, what is the process for obtaining it and the tests for its presence? Give Equations of the Chemical changes.

2. Name the Metals of the Alkalies, state their equivalency, and describe the blowpipe reactions of their Salts.

3. How may Mercury, Arsenic and Antimony be distinguished from each other after precipitation on Copper by Reinsch's test?

4. Describe the appearance, specific gravity, reaction and nature of the deposit, (if any) in healthy Urine. Also the general characteristics of Diabetic Urine, and name the test for its detection.

5. Give a general outline of the Chemical changes which take place during fermentation.

6. Name the Acids derivable from the Wood, Wine, Milk and Potatoe Alcohols respectively, and name their acidulous radicals.

## ANATOMY.

THURSDAY, 26<sup>th</sup> MARCH, 1874 :—3 TO 5 P.M.

*Examiner*,.....PROFESSOR RICHARD A. KENNEDY, A.M., M.D., C.M.

1. Describe the Femur ; and give the names and extent of attachment of its muscles.
2. Name the internal ligaments of the Knee Joint ; give a description of each.
3. Give the origin and insertion of the Coraco-Brachialis, Biceps and Brachialis Anticus.
4. Describe the Peritoneum ; trace its reflections, and name the ligaments, omenta, and mesenteries which it forms.
5. Give the relations of the Brachial Artery, its branches and their distribution.
6. Describe the origin, course, and branches of the Pneumogastric Nerve, and the parts to which each branch is distributed.

## PHYSIOLOGY.

THURSDAY, MARCH 26<sup>th</sup>; 1874 : 8 P. M. TO 10 P. M.

*Examiner*,.....PROFESSOR F. W. CAMPBELL, M.A., M.D., L.R.C.P., LOND.

1. Give the divisions of the Small Intestine, and describe its physiological anatomy.
2. Describe the Spleen, and mention the various theories as regards its function.
3. Describe the first and second sounds of the Heart, and state where each is heard with its maximum of intensity.
4. Mention and describe the physical properties of Tissues.
5. Describe white and yellow fibrous Tissue, and state where each variety is found.
6. Mention the names and number of the Milk Teeth, and the age at which they appear ; also the names and number of the Permanent Teeth, and the ages at which they make their appearance.

## C.M., M.D., FINAL EXAMINATION.

## PRACTICE OF MEDICINE.

MONDAY, 30TH MARCH, 1874:—9 TO 11 A.M.

*Examiner*,.....PROFESSOR A. H. DAVID, M.D., Ed., L.R.C.S.E., D.C.L.

1. Describe the symptoms of Pneumonia, its stages and their pathological conditions.
2. Give the physical signs of Empyema, and how it is distinguished from Hydrothorax; give its treatment.
3. Describe Diphtheria, and give its treatment.
4. Mention under what conditions fatty degeneration of the Heart occurs.
5. In what diseases of the Liver have we enlargement, and what are the morbid conditions producing it?
6. Give the different forms of enlargement of the Spleen, and the circumstances in which they occur.

## SURGERY.

TUESDAY, MARCH 31ST, 1874, 2 TO 4 P.M.

*Examiner*,.....PROFESSOR ROBERT GODFREY, M.A., M.D.

1. Describe the dislocations of the shoulder joint; and the muscles whose action has to be overcome in their reduction.
2. Give the surgical anatomy of the hip joint, the dislocations, and their mode of reduction.
3. Name the different amputations of the foot, and describe the methods of operation.
4. Give the treatment for pulmonary hæmorrhage from gunshot or punctured wounds.
5. Name the different arteries in the abdomen that may require ligation; the method of tying the internal iliac, stating the structures that require to be divided in the operation.
6. Name the classification of tumours; and describe medullary sarcoma.

## PATHOLOGY.

MONDAY, MARCH 30TH, 1874:—11 A.M. TO 12.

*Examiner*.....PROFESSOR GEORGE WILKINS, M.D., M.R.C.S., Eng.

1. Describe the pathological histology of Croupous Pneumonia and Catarrhal Pneumonia.
2. Describe the phenomena of inflammation as seen in irritation of the Mesentery of the Frog under the microscope.
3. Amyloid degeneration. What is it? In what organs and under what conditions is it found?
4. Describe the morbid anatomy of Cirrhosis of the Liver and its effects.

## MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN.

MONDAY, 30TH MARCH, 1874:—4 TO 6 P.M.

*Examiner*.....PROFESSOR E. H. TRENHOLME, M.D., C.M., B.C.L.

1. Enumerate the circumstances under which artificial delivery of the placenta is required, and explain the different means that should be resorted to for accomplishing that object.
2. How do you diagnose deformities of the pelvis due to Rachitis, from those due to Osteomalacia? What is the prognosis with regard to a favorable termination to parturition in either case?
3. How can an Ovarian Cyst be distinguished from Ascites? How from other abdominal tumors?
4. To what displacements is the uterus liable?—Describe the causes and treatment of prolapsus uteri.
5. How would you distinguish false from true Croup? Describe the *symptoms, course and treatment* of the latter disease.
6. Describe, in full, the *causes, course and treatment* of infantile simple diarrhoea; also what anatomical appearances enable you to distinguish it from Enterocolitis.

## MEDICAL JURISPRUDENCE

MONDAY, MARCH 30TH 8 TO 9.15 P.M.

*Examiner*..... PROFESSOR WILLIAM GARDNER, M.A., M.D.

1. Define the terms, hallucination, illusion and delusion.
2. What are the possible sources of fracture of the cranium in the new-born child? What conditions may be confounded with contusion of the scalp, and what are the points of difference?
3. What is the causation and morbid anatomy of natural sudden death?
4. What are the signs of recent delivery at full term?

## HYGIENE

MONDAY, MARCH 30TH 12 M. TO 1 P.M.

*Examiner*..... PROFESSOR JEAN L. LEPROTON, M.A., M.D.

1. What is the annual average of death per thousand in a healthy community?
2. What diseases are likely to arise from imperfect drainage and deficient nourishment?
3. Describe diseases likely to be caused or greatly aggravated by deficient space in hospitals.
4. Explain the theory of epidemic diseases, how transmitted, with examples.